

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046792 A1

(51) International Patent Classification⁷:
5/08, 5/02, 5/04, A61B 10/00

A61N 5/06,

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/KR2004/002907

(22) International Filing Date:

10 November 2004 (10.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2003-0080780

14 November 2003 (14.11.2003) KR

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and

(72) Inventor: KIM, Jin-il [KR/KR]; 2282-2, Daehwa-dong, Ilsan-gu, Goyang-si, Gyeonggi-do 411-806 (KR).

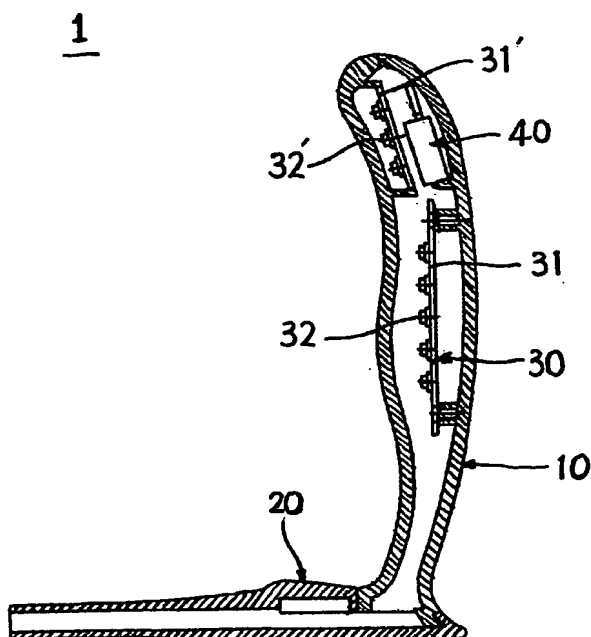
Published:

— with international search report

(74) Agent: AJU PATENT & LAW FIRM; 12th Floor, Poonglim Building, 823-1 Yeoksam-dong, Kangnam-gu, Seoul 135-784 (KR).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MEDICAL DEVICE FOR TREATING PROSTATE DISEASES BY USING NEAR-INFRARED LED



(57) Abstract: The present invention relates to a medical device for treating prostate diseases by using near-infrared LEDs (light emitting diodes), and more particularly, to a medical device for treating prostate diseases in which a probe having installed therein near-infrared LEDs and a vibrator is constructed to be inserted into the rectum, to radiate near-infrared rays to the prostate from a position closest to the prostate and render a direct physical massage function to the prostate, thereby effectively treating prostate-related diseases. Also, the present invention relates to a pad mechanism supplementing the probe mechanism, being brought into close contact with the perineal region to radiate red visible rays and transmit vibration to the organs around the prostate, thereby curing the natures of diseases in the organs around the prostate, and a disposable probe condom used in a state in which it is worn over the probe mechanism.